



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM
H. Martin Lancaster, President

February 13, 2007

RESPONSE DEADLINE: February 27, 2007

MEMORANDUM

TO: Select Chief Academic Officers

FROM: Delores A. Parker, Vice President
Academic and Student Services

SUBJECT: Requested Revision in *Combined Course Library* Course

The System Office has received a request to revise the following courses contained in the *Combined Course Library*:

MAT 155 Statistical Analysis
MAT 155A Statistical Analysis Lab

Attached are forms requesting your approval or disapproval of the proposed change. ***Please complete and return the forms to Edith Lang by February 27, 2007.*** You may fax your responses to (919) 807-7164. Once the responses have been received at the System Office, the request will be presented to the Curriculum Review Committee for action at their September meeting.

Thank you for your prompt attention to this matter. If you have questions, please contact Edith Lang at (919) 807-7119 or lange@nccommunitycolleges.edu.

DAP/el

Attachments

c: Select Presidents
Edith Lang

S07-xxx
Email

College Recommendation
Course Revision Request -MAT 155 Statistical Analysis

Current Course Information:

MAT 155	Statistical Analysis	3	0	3
Prerequisites:	MAT 080, MAT 090, MAT 095, MAT 120, MAT 121, MAT 161, MAT 171, or MAT 175			
Corequisites:	None			

This course is an introduction to descriptive and inferential statistics. Topics include sampling, distributions, plotting data, central tendency, dispersion, Central Limits Theorem, confidence intervals, hypothesis testing, correlations, regressions, and multinomial experiments. Upon completion, students should be able to describe data and test inferences about populations using sample data. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics (Quantitative Option).*

Proposed Prerequisite: MAT 161, MAT 171, or MAT 175

Rationale of Requesting College:

The rationale for the proposed changes is twofold. First, the students who have not had a college-level algebra course prior to this statistics course are significantly less successful than the students who have. Second, the equivalent course at senior institutions has college algebra as a prerequisite; therefore, if the course is truly comparable, it should have the same level of prerequisite material. Raising the standards for this theory-based course would help students be more successful because students who understand theory do not always have a good background in algebra.

Evidence of Collaboration: *The requesting college presented responses from four community colleges. Two colleges endorsed the change.*

One college questioned the universality of the prerequisites at the four-year institutions.

One college respondent indicated that she would have been more convinced of the need for change if there had been some evidence presented concerning the success of MAT 155 students who had previously completed MAT 161.

_____ We have reviewed the proposed revision and **recommend** the adoption of this change for **MAT 155** for the following reasons(s):

_____ We concur with the rationale of the requesting college

_____ Other: _____

_____ We have reviewed the proposed revision and **do not recommend** the adoption of this change for **MAT 155** for the following reason(s):

_____ We do not offer **MAT 155** and wish to decline from making a recommendation.

College: _____

Signature of President: _____ **Date:** _____

Please fax to Edith Lang at 919-807-7164 by February 27, 2007

College Recommendation
Course Revision Request- MAT 155A Statistical Analysis Lab

Current Course Information:

MAT 155A	Statistics Analysis Lab	0	2	1
Prerequisites:	MAT 080, MAT 090, MAT 095, MAT 120, MAT 121, MAT 161, MAT 171, or MAT 175			
Corequisites:	MAT 155			

This course is a laboratory for MAT 155. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Proposed Prerequisite: *MAT 161, MAT 171, or MAT 175*

Rationale of Requesting College:

The rationale for the proposed changes is twofold. First, the students who have not had a college-level algebra course prior to this statistics course are significantly less successful than the students who have. Second, the equivalent course at senior institutions has college algebra as a prerequisite; therefore, if the course is truly comparable, it should have the same level of prerequisite material. Raising the standards for this theory-based course would help students be more successful because students who understand theory do not always have a good background in algebra.

Evidence of Collaboration: *The requesting college presented responses from four community colleges. Two colleges endorsed the change.*

One college questioned the universality of the prerequisites at the four-year institutions.

One college respondent indicated that she would have been more convinced of the need for change if there had been some evidence presented concerning the success of MAT 155 students who had previously completed MAT 161.

_____ We have reviewed the proposed revision and **recommend** the adoption of this change for **MAT 155A** for the following reason(s):

_____ We concur with the rationale of the requesting college

_____ Other: _____

_____ We have reviewed the proposed revision and **do not recommend** the adoption of this change for **MAT 155A** for the following reason(s):

_____ We do not offer **MAT 155A** and wish to decline from making a recommendation.

College: _____

Signature of President: _____ **Date:** _____

Please fax to Edith Lang at 919-807-7164 by February 27, 2007